

REMARKS

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Claims 3-10, 13-17, and 19 are requested to be cancelled. Claims 1, 2, 11, and 18 are currently being amended.

This amendment adds and deletes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

In the Office Action, the drawings were objected to for failing to comply with 37 C.F.R. § 1.84(p)(5). Applicants have amended Figs. 1 and 8-10 so that each reference sign mentioned in the specification is shown in the drawings. Accordingly, Applicants request that this objection be withdrawn.

Claims 1, 2, 5, 11, 12, and 15-17 were rejected under 35 U.S.C. § 102(e) as being anticipated by Sakagami (U.S. Patent No. 6,882,807). Claim 1, as amended, recites that a heat generator for use in a heating apparatus comprises, *inter alia*, a central shaft in which a core material is ferrite and an outer circumference is coated with resin or non-ferrous metal.

Sakagami discloses that in a known fixing device, a fixing roller 21 includes a core bar made of iron or aluminum (col. 1, lines 30-31). In the Detailed Description, Sakagami discloses that a fixing roller 201 includes a core bar 211 that can be made of carbon or stainless steel (col. 16, lines 17-41). Thus, in contrast to claim 1, Sakagami fails to disclose or suggest a heat generator for use in a heating apparatus having a central shaft in which a core material is ferrite. Rather, Sakagami only discloses or suggests metal cores of iron (including steel) or aluminum. Claim 1 is therefore patentably distinguishable from Sakagami.

Claim 2 is patentably distinguishable from Sakagami by virtue of its dependence from claim 1, as well as its additional recitations. Claims 11 and 12 are patentably distinguishable from Sakagami for reasons analogous to claim 1.

Claims 3-4, 6-10, 13-14, and 18-19 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Sakagami. Of these claims, only claim 18 remains pending. Claim 18 is patentably distinguishable from Sakagami for reasons analogous to claim 1.

Applicants believe that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.


The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

Date 11/28/05

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Amendments to the Drawings:

The drawing sheet or sheets attached in connection with the above-identified application containing Figures 1 and 8-10 are being presented as a new formal drawing sheet or sheets to be substituted for the previously submitted drawing sheet or sheets. The drawing Figures 1 and 8-10 have been amended. Appended to this amendment is an annotated copy of the previous drawing sheet which has been marked to show changes presented in the replacement sheet of the drawing.

The specific changes which have been made to Figures 1 and 8-10 including adding reference sign '1' to Figure 1, changing reference sign '132' to '136' and adding reference sign '132' to Figure 8, changing reference sign '172' to '176' in Figure 9, and changing reference sign '192' to '196' in Figure 10.

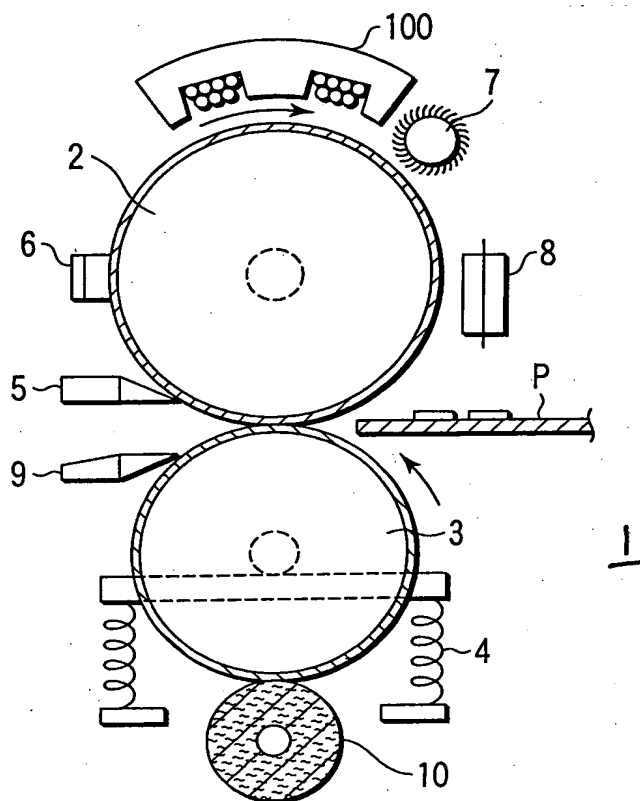


FIG. 1

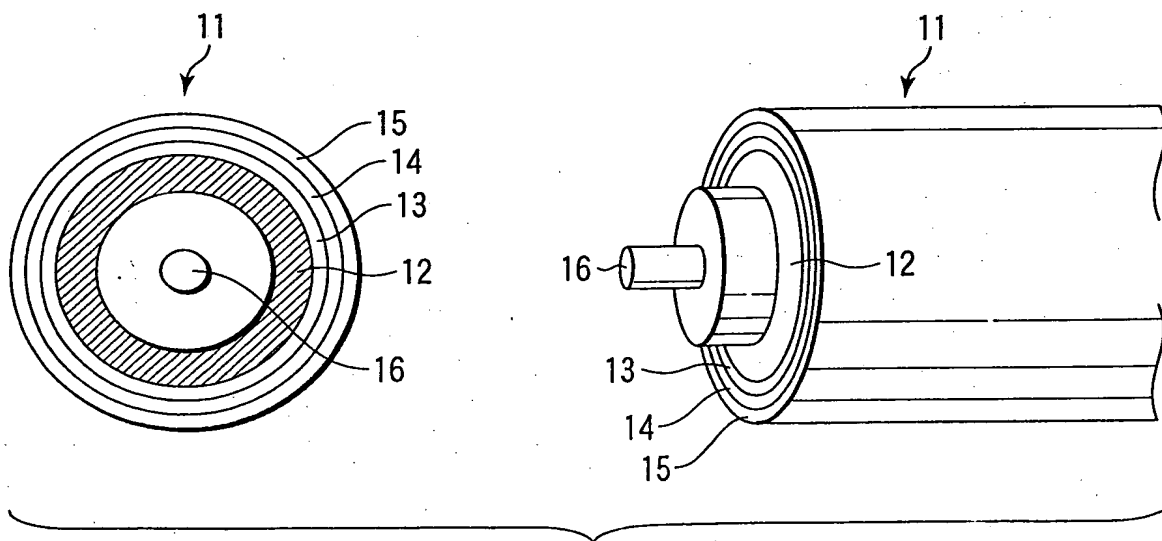


FIG. 2

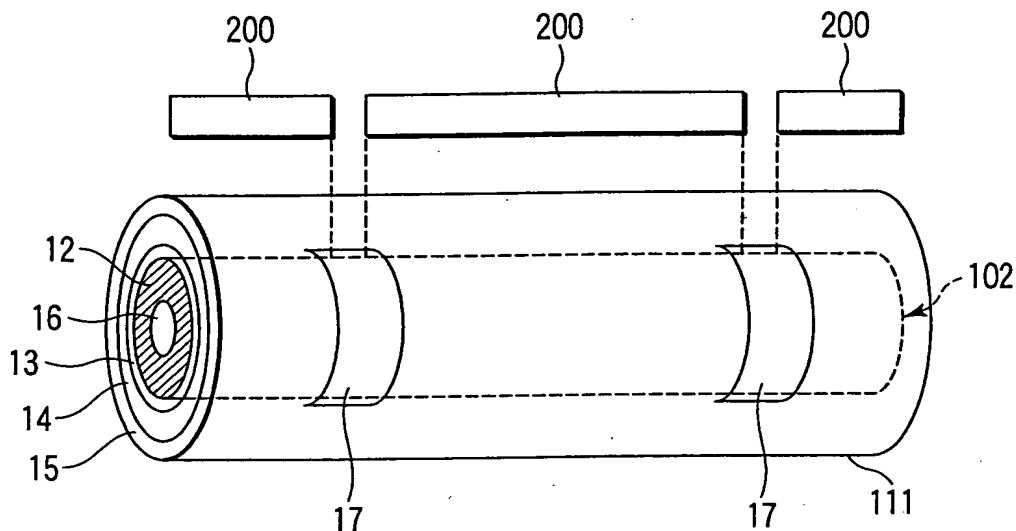


FIG. 7

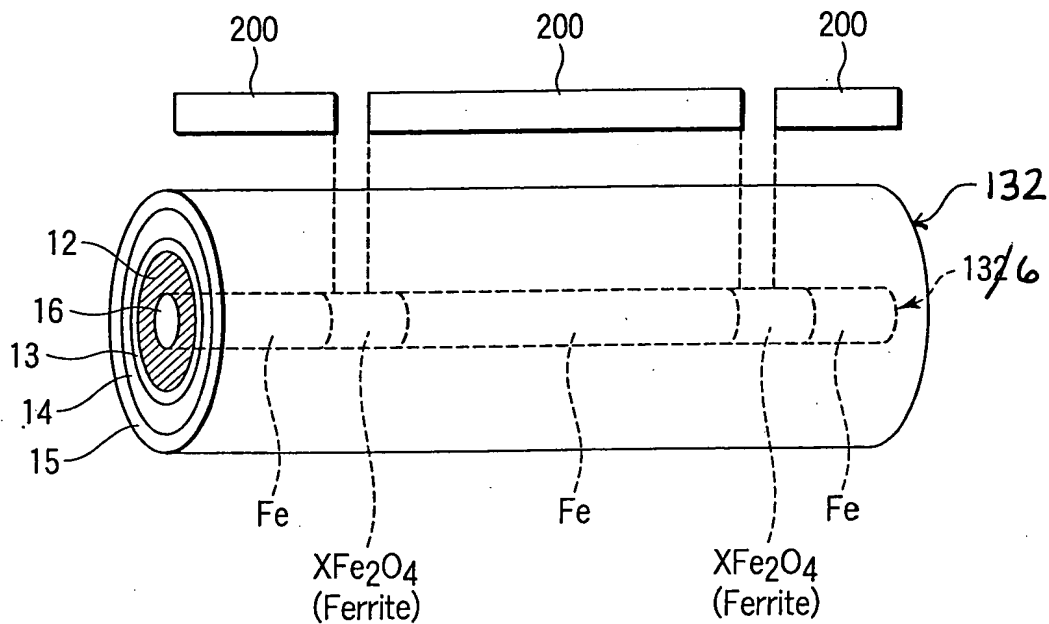


FIG. 8

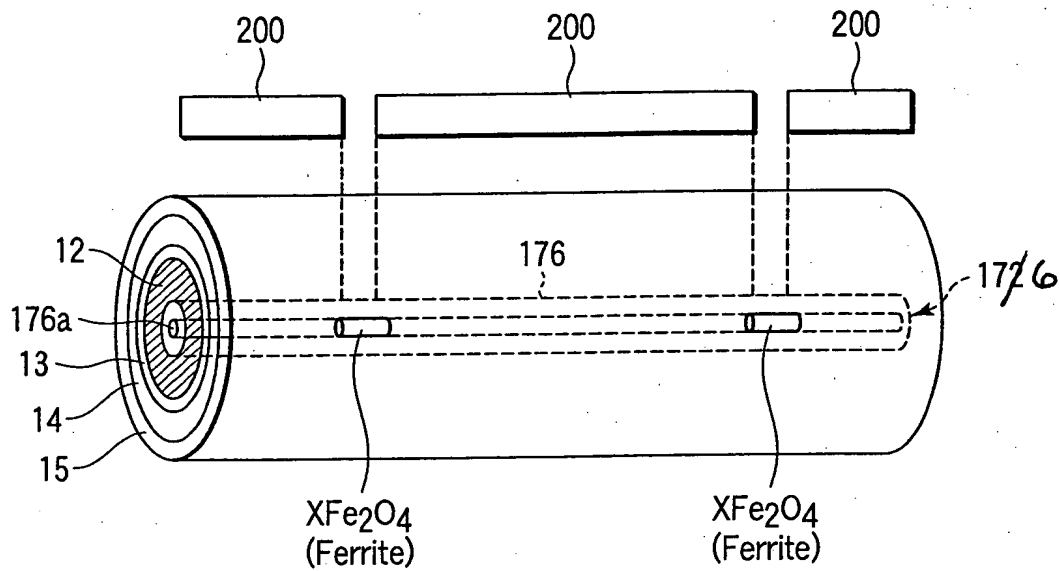


FIG. 9

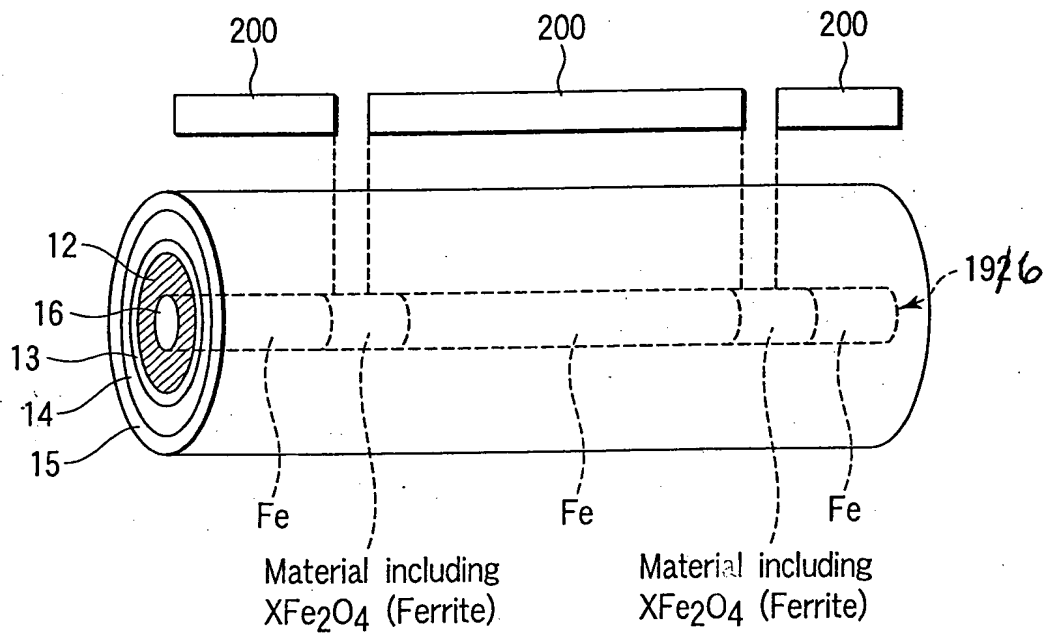


FIG. 10